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(54) Title: DIAGNOSTIC AND THERAPEUTIC USE OF MAL2 GENE AND PROTEIN FOR NEURODEGENERATIVE DIS-
EASES

(57) Abstract: The present invention discloses the differential expression of the gene coding for MAL2 protein in specific brain
regions of Alzheimer's disease patients. Based on this finding, the invention provides a method for diagnosing or prognosticating
Alzheimer's disease in a subject, or for determining whether a subject is at increased risk of developing Alzheimer's disease. Fur-
thermore, this invention provides therapeutic and prophylactic methods for treating or preventing Alzheimer's disease and related
neurodegenerative disorders using the MAL2 gene and its corresponding gene products. A method of screening for modulating
agents of neurodegenerative diseases is also disclosed.



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